

CLIPPEDIMAGE= JP404264473A  
PAT-NO: JP404264473A  
DOCUMENT-IDENTIFIER: JP 04264473 A  
TITLE: DEVELOPING DEVICE

PUBN-DATE: September 21, 1992

INVENTOR-INFORMATION:

NAME

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YONEZAWA, SHIGEHIO

ASSIGNEE-INFORMATION:

NAME

RICOH CO LTD

COUNTRY

N/A

APPL-NO: JP03046034

APPL-DATE: February 19, 1991

INT-CL\_(IPC): G03G015/09

ABSTRACT:

PURPOSE: To stop the power of a blowing air current outside a developing device and to prevent toner from scattering from a gap between a latent image carrier and the developing device without changing the form of the casing wall part of a developer container and the magnetic force of a magnet forming a pole for separating.

CONSTITUTION: The magnet 17 to forcibly make the developer nap until the developer carried by the magnetic force of the magnet 4E forming the separating pole contacts with the casing wall part surface 6a<SB>2</SB> is provided outside the casing wall part 6a oppositely to the magnet 4E, in order to close the gap 9 formed between the casing wall part 6a of the developer container 6 positioned on a downer-stream side than a developing area 8 and in the rotating direction of a developer carrier member 3, and the developer carrier member 3 with respect to the external space of the developer container 6.

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CLIPPEDIMAGE= JP409034265A  
PAT-NO: JP409034265A  
DOCUMENT-IDENTIFIER: JP 09034265 A  
TITLE: DEVELOPING DEVICE

PUBN-DATE: February 7, 1997

INVENTOR-INFORMATION:

NAME

SUDO, KAZUHISA

ASSIGNEE-INFORMATION:

NAME

COUNTRY

RICOH CO LTD

N/A

APPL-NO: JP07206563

APPL-DATE: July 19, 1995

INT-CL\_(IPC): G03G015/09; G03G015/08

ABSTRACT:

PROBLEM TO BE SOLVED: To provide a developing device capable of preventing the occurrence of an abnormal image caused by scattering of a developer by forming the internal shape of a casing covering a developing roller surface toward a developing region in such a manner that a gap with the developing roller in each part is nearly equal to the napping height of the developer on the developing roller.

SOLUTION: A circle is drawn as a virtual circle 3 by using a distance from the center of a developing roller 13 to the tip of a layer thickness regulating member as a radius and sharing the center with the center of the developing roller 13, a value obtained by multiplying a magnetic force exerted from each part of the surface of the developing roller 13 in a radial direction with a fixed proportional constant (K) is used as a length, and when this length is taken on the virtual circle 3 in a vertical direction, an inlet casing 20 is formed to fit a curve 32 formed by the tip parts thereof.

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